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☐ 1. Document ID: US 6797501 B2

L8: Entry 1 of 3

File: USPT

Sep 28, 2004

US-PAT-NO: 6797501

DOCUMENT-IDENTIFIER: US 6797501 B2

TITLE: Protein tyrosine phosphatase PTP20 and related products and methods

DATE-ISSUED: September 28, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Aoki</u> ; Naohita	Nagoya			JP
<u>Ullrich</u> ; Axel	Martinsried			DE

US-CL-CURRENT: 435/194; 435/195, 435/196, 435/252.3, 435/320.1, 530/300, 530/350, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 2. Document ID: US 6482605 B1

L8: Entry 2 of 3

File: USPT

Nov 19, 2002

US-PAT-NO: 6482605

DOCUMENT-IDENTIFIER: US 6482605 B1

TITLE: Protein tyrosine phosphatase PTP20 and related products and methods

DATE-ISSUED: November 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Aoki</u> ; Naohito	Nagoya			JP
<u>Ullrich</u> ; Axel	Martimried			DE

US-CL-CURRENT: 435/21; 435/194, 435/252.3, 435/320.1, 530/350, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 3. Document ID: US 6004791 A

L8: Entry 3 of 3

File: USPT

Dec 21, 1999

US-PAT-NO: 6004791

DOCUMENT-IDENTIFIER: US 6004791 A

TITLE: Protein tyrosine phosphatase PTP20 and related products and methods

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Aoki</u> ; Naohito	Munich			DE
<u>Ullrich</u> ; Axel	Munchen			DE

US-CL-CURRENT: 435/194; 435/196, 435/252.3, 435/320.1, 530/300, 530/350, 536/23.2, 536/24.31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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Search Results - Record(s) 1 through 10 of 63 returned.

☐ 1. Document ID: US 6797513 B2

L12: Entry 1 of 63

File: USPT

Sep 28, 2004

US-PAT-NO: 6797513

DOCUMENT-IDENTIFIER: US 6797513 B2

TITLE: Nucleic acid encoding CLK2 protein kinases

DATE-ISSUED: September 28, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Ullrich</u> ; Axel	Munchen			DE
Nayler; Oliver	Graefehing			DE

US-CL-CURRENT: 435/325; 435/194, 435/252.3, 435/254.11, 435/320.1, 435/69.1,
530/300, 530/350, 536/23.1, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw De
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☐ 2. Document ID: US 6797501 B2

L12: Entry 2 of 63

File: USPT

Sep 28, 2004

US-PAT-NO: 6797501

DOCUMENT-IDENTIFIER: US 6797501 B2

TITLE: Protein tyrosine phosphatase PTP20 and related products and methods

DATE-ISSUED: September 28, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aoki; Naohita	Nagoya			JP
<u>Ullrich</u> ; Axel	Martinsried			DE

US-CL-CURRENT: 435/194; 435/195, 435/196, 435/252.3, 435/320.1, 530/300, 530/350,
536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw De
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☐ 3. Document ID: US 6770742 B1

L12: Entry 3 of 63

File: USPT

Aug 3, 2004

US-PAT-NO: 6770742

DOCUMENT-IDENTIFIER: US 6770742 B1

TITLE: Use of inhibitors for the treatment of disorders related to RTK
hyperfunction, especially cancer

DATE-ISSUED: August 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Ullrich</u> ; Axel	Munich			DE
Bange; Johannes	Munich			DE
Knyazev; Pjotr	Gauting			DE

US-CL-CURRENT: 530/350; 435/320.1, 435/325, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw De
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☐ 4. Document ID: US 6635743 B1

L12: Entry 4 of 63

File: USPT

Oct 21, 2003

US-PAT-NO: 6635743

DOCUMENT-IDENTIFIER: US 6635743 B1

TITLE: Apoptosis inducing molecule II and methods of use

DATE-ISSUED: October 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ebner; Reinhard	Gaithersburg	MD		
Yu; Guo-Liang	Berkeley	CA		
Ruben; Steven M.	Olney	MD		
<u>Ullrich</u> ; Stephen	Rockville	MD		
Zhai; Yifan	Guilford	CT		

US-CL-CURRENT: 530/388.23; 435/7.1, 530/387.1, 530/387.3, 530/388.1, 530/389.1,
530/389.2, 930/144

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw De
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☐ 5. Document ID: US 6579972 B1

L12: Entry 5 of 63

File: USPT

Jun 17, 2003

US-PAT-NO: 6579972
DOCUMENT-IDENTIFIER: US 6579972 B1

TITLE: Extracellular signal-regulated kinase, sequences, and methods of production and use

DATE-ISSUED: June 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lechner; Cornelia	Unterschleissheim			DE
M.o slashed.ller; Niels Peter	Copenhagen			DK
<u>Ullrich</u> ; Axel	Martinsreid			DE

US-CL-CURRENT: 530/388.26; 435/7.92, 530/388.1, 530/389.1, 530/809

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 6. Document ID: US 6548641 B1

L12: Entry 6 of 63

File: USPT

Apr 15, 2003

US-PAT-NO: 6548641
DOCUMENT-IDENTIFIER: US 6548641 B1

TITLE: PTP 1D: a novel protein tyrosine phosphatase

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Ullrich</u> ; Axel	Martinsried bei Muchen			DE
Vogel; Wolfgang	Germering			DE

US-CL-CURRENT: 530/387.1; 530/350, 530/388.1, 530/388.26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 7. Document ID: US 6541615 B1

L12: Entry 7 of 63

File: USPT

Apr 1, 2003

US-PAT-NO: 6541615
DOCUMENT-IDENTIFIER: US 6541615 B1

TITLE: SIRP proteins and uses thereof

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Ullrich</u> ; Axel	Munchen			DE
Kharitononkov; Alexei	Carmel	IN		
Chen; Zhengiun	Graefelfing			DE

US-CL-CURRENT: 536/23.1; 435/320.1, 435/325, 435/455, 435/6, 435/7.1, 530/300,
530/350, 536/23.6, 800/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 8. Document ID: US 6506578 B1

L12: Entry 8 of 63

File: USPT

Jan 14, 2003.

US-PAT-NO: 6506578

DOCUMENT-IDENTIFIER: US 6506578 B1

TITLE: Nucleotide encoding megakaryocytic protein tyrosine kinases

DATE-ISSUED: January 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Ullrich</u> ; Axel	Portola Valley	CA		
Gishizky; Mikhail	Palo Alto	CA		
Sures; Irman Gard	Munich			DE

US-CL-CURRENT: 435/69.1; 435/252.3, 435/254.11, 435/320.1, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 9. Document ID: US 6495520 B2

L12: Entry 9 of 63

File: USPT

Dec 17, 2002

US-PAT-NO: 6495520

DOCUMENT-IDENTIFIER: US 6495520 B2

TITLE: Apoptosis Inducing Molecule II and methods of use

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ebner; Reinhard	Gaithersburg	MD		
Yu; Guo-Liang	Berkeley	CA		
Ruben; Steven M.	Olney	MD		
Zhang; Jun	Bethesda	MD		
<u>Ullrich</u> ; Stephen	Rockville	MD		

Zhai; Yifan

Gaithersburg

MD

US-CL-CURRENT: 514/12; 530/300, 530/324, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 10. Document ID: US 6492495 B1

L12: Entry 10 of 63

File: USPT

Dec 10, 2002

US-PAT-NO: 6492495

DOCUMENT-IDENTIFIER: US 6492495 B1

TITLE: PTP-S31: a novel protein tyrosine phosphatase

DATE-ISSUED: December 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moller; Niels Peter Hundahl	Munich			DE
Moller; Karin Bach	Munich			DE
<u>Ullrich</u> ; Axel	Martinsried bei Munich			DE

US-CL-CURRENT: 530/387.9; 530/388.26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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10/087,993

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2/7/4 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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0006177174 BIOSIS NO.: 198886017095
COMPARATIVE CHARACTERIZATION OF DNA AND DNA-ASSOCIATED BLOOD PLASMA
PROTEINS IN NORMAL SUBJECTS AND LEUKEMIA PATIENTS
AUTHOR: KOZAK V V (Reprint); NEGREI G Z; SHLYAKHOVENKO V A; MIKHAILENK
O V M
; KIREEVA S S; BEBESHKO V G
AUTHOR ADDRESS: RE KAVETSKII INST PROBL ONCOL, ACAD SCI UKR SSR, KIEV,
USSR
**USSR
JOURNAL: Gematologiya i Transfuziologiya 32 (11): p31-34 1987
ISSN: 0234-5730
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: RUSSIAN

ABSTRACT: Significant variability of DNA levels was detected in the blood
plasma of normal subjects and leukemia patients (from 4 to 38 .mu.g/ml
plasma) with the use of affinity chromatography. The spectrum of
DNA-associated blood plasma proteins in each group of subjects has been
presented by the heterogenous population of polypeptide molecules with a
molecular mass from 14 to 250 kD. No differences specific for the
leukemia process have been revealed.

2/7/6 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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0006058489 BIOSIS NO.: 198885027380
TYPE I AND II INSULIN-LIKE GROWTH FACTOR RECEPTORS ON HUMAN
PHYTOHEMAGGLUTININ-ACTIVATED T LYMPHOCYTES
AUTHOR: KOZAK R W (Reprint); HASKELL J F; GREENSTEIN L A; RECHLER M M;
WALDMANN T A; NISSLEY S P
AUTHOR ADDRESS: METABOLISM BRANCH, NATL CANCER INST, NATL INST DIABETE
S
DIGESTIVE KIDNEY DISEASES, BETHESDA, MD 20892, USA**USA
JOURNAL: Cellular Immunology 109 (2): p318-331 1987
ISSN: 0008-8749
DOCUMENT TYPE: Article
RECORD TYPE: Abstract

hrobinson

LANGUAGE: ENGLISH

ABSTRACT: Human T cells activated with mitogens, antigens, or antibodies to

the T-cell receptor complex acquire a cascade of new receptors, including

the receptors for interleukin-2, transferrin, and insulin. We investigated whether receptors for insulin-like growth factors (IGF) also

were expressed on activated T cells. Based on competitive binding studies, immunoprecipitation of labeled cell surface receptors and blocking of radiolabeled peptide binding by a specific monoclonal antibody (.alpha.IR-3) to the type I IGF receptor, as well as affinity

crosslinking of radiolabeled peptides to their receptors, we concluded

that both type I and II IGF receptors are expressed on activated T cells.

A specific binding site for IGF-II also was observed on the type I IGF

receptor which was not inhibited by .alpha.IR-3. Receptors for IGF were

more numerous on activated T cells than on resting T cells, and their

peak expression appeared by the peak of DNA synthesis. Thus, human activated T cells were shown to express both type I and II IGF receptors

which could potentially play a role in the regulation of T-cell proliferation, differentiation, and function.

2/7/7 (Item 7 from file: 5)

DIALOG(R)File 5: BIOSIS Previews(R)

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0005766081 BIOSIS NO.: 198784120230

DIVERSE WILD MOUSE ORIGINS OF XENOTROPIC MINK CELL FOCUS-FORMING AND TWO

TYPES OF ECOTROPIC PROVIRAL GENES

AUTHOR: KOZAK C A (Reprint); O'NEILL R R

AUTHOR ADDRESS: LAB MOL MICROBIOL, NATL INST ALLERGY INFECTIOUS DISEASES,

BETHESDA, MD 20892, USA**USA

JOURNAL: Journal of Virology 61 (10): p3082-3088 1987

ISSN: 0022-538X

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

hrobinson

ABSTRACT: We analyzed wild mouse DNAs for the number and type of proviral genes related to the env sequences of various murine leukemia viruses (MuLVs). Only Mus species closely related to laboratory mice carried these retroviral sequences, and the different subclasses of viral env genes tended to be restricted to specific taxonomic groups. Only Mus musculus molossinus carried proviral genes which cross-reacted with the inbred mouse ecotropic MuLV env gene. The ecotropic viral env sequence associated with the Fv-4 resistance gene was found in the Asian mice M. musculus molossinus and Mus musculus castaneus and in California mice from Lake Casitas (LC). Both M. musculus castaneus and LC mice carried many additional Fv-4 env-related proviruses, two of which are common to both mouse populations, which suggests that these mice share a recent common ancestry. Xenotropic and mink cell focus-forming (MCF) virus env sequences were more widely dispersed in wild mice than the ecotropic viral env genes, which suggests that noncotropic MuLVs were integrated into the Mus germ line at an earlier date. Xenotropic MuLVs represented the major component of MuLV env-reactive genes in Asian and eastern European mice classified as M. musculus molossinus, M. musculus castaneus, and Mus musculus musculus, whereas Mus musculus domesticus from western Europe, the Mediterranean, and North America contained almost exclusively MCF virus env copies. M. musculus musculus mice from central Europe trapped near the M. musculus domesticus/M. musculus musculus hybrid zone carried multiple copies of both types of env genes. LC mice also carried both xenotropic and MCF viral env genes, which is consistent with the above conclusion that they represent natural hybrids of M. musculus domesticus and M. musculus castaneus.

2/7/8 (Item 8 from file: 5)

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DIALOG(R)File 5:Biosis Previews(R)
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0005764355 BIOSIS NO.: 198784118504

AT LEAST SIX NUCLEOTIDES PRECEDING THE AUG INITIATOR CODON ENHANCE
TRANSLATION IN MAMMALIAN CELLS

AUTHOR: KOZAK M (Reprint)

AUTHOR ADDRESS: DEP BIOLOGICAL SCI, UNIV PITTSBURGH, PITTSBURGH, PA 15
260,

USA**USA

JOURNAL: Journal of Molecular Biology 196 (4): p947-950 1987

ISSN: 0022-2836

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

ABSTRACT: Sequences flanking the AUG initiator codon influence its
recognition by eukaryotic ribosomes. From a comparison of several hu
ndred

mRNA sequences, CCGACCAUGG emerged as the consensus sequence for
initiation in higher eukaryotes. Systematic mutagenesis of a cloned
preproinsulin gene confirmed the facilitating effect of A or G in
position -3 (i.e. 3 nucleotides upstream from the AUG codon), C in
positions -1 and -2, and G immediately following the AUG codon. The
analysis of a new set of mutants now reveals that sequences slightly
farther upstream are also influential, the optimal context for initi
ation

being (GCC)GCCGACCAUGG. Possible mechanistic implications of the
repeating GCC motif are discussed.

2/7/9 (Item 9 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)
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0005764271 BIOSIS NO.: 198784118420

EFFECTS OF INTERCISTRONIC LENGTH ON THE EFFICIENCY OF REINITIATION BY
EUKARYOTIC RIBOSOMES

AUTHOR: KOZAK M (Reprint)

AUTHOR ADDRESS: DEP BIOL SCI, UNIV PITTSB, PITTSBURGH, PA 15260, USA**
USA

JOURNAL: Molecular and Cellular Biology 7 (10): p3438-3445 1987

ISSN: 0270-7306

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

ABSTRACT: Simian virus 40-based plasmids that direct the synthesis of

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preproinsulin during short-term transfection of COS cells have been used to probe the mechanism of reinitiation by eucaryotic ribosomes. Earlier studies from several laboratories had established that the ability to reinitiate translation at an internal AUG codon depends on having a terminator codon in frame with the preceding AUG triplet and upstream from the intended restart site. In the present studies, the position of the upstream terminator codon relative to the preproinsulin restart site has been systematically varied. The efficiency of reinitiation progressively improved as the intercistronic sequence was lengthened. When the upstream "minicistron" terminated 79 nucleotides before the preproinsulin start site, the synthesis of proinsulin was as efficient as if there were no upstream AUG codons. A mechanism is postulated that might account for this result, which is somewhat surprising inasmuch as bacterial ribosomes reinitiate less efficiently as the intercistronic gap is widened.

2/7/13 (Item 13 from file: 5)
DIALOG(R)File 5: BIOSIS Previews(R)
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0005667273 BIOSIS NO.: 198784021422
A STANDARDIZED NOMENCLATURE FOR ENDOGENOUS MOUSE MAMMARY TUMOR VIRUSES
AUTHOR: KOZAK C (Reprint); PETERS G; PAULEY R; MORRIS V; MICHALIDES R;
DUDLEY J; GREEN M; DAVISSON M; PRAKASH O; ET AL
AUTHOR ADDRESS: LAB MOLECULAR MICROBIOLOGY, NATIONAL INST ALLERGY AND
INFECTIOUS DISEASES, NATIONAL INST HEALTH, BETHESDA, MARYLAND 20892,
USA
**USA
JOURNAL: Journal of Virology 61 (5): p1651-1654 1987
ISSN: 0022-538X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

ABSTRACT: We propose a revised standardized nomenclature for endogenous mouse mammary tumor viruses based on characterization by molecular

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cloning techniques and genetic segregation data.

2/7/22 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
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07667054 PMID: 3480841
[Comparative characteristics of DNA and DNA-associated plasma proteins in the normal state and in leukemia]
Sravnitel'naia kharakteristika DNK i sviazannykh s nei belkov plazmy krovi v norme i pri leikoze.
Kozak V V; Negrei G Z; Shliakhovenko V A; Mikhailenko V M; Kireeva S
Gematologiya i transfuziologiya (USSR) Nov 1987, 32 (11) p31-4, ISSN 0234-5730 Journal Code: 8301796
Document type: Journal Article ; English Abstract
Languages: RUSSIAN
Main Citation Owner: NLM
Record type: Completed
Record Date Created: 19880318
Record Date Completed: 19880318

2/7/23 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
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07620368 PMID: 3683388
Effects of intercistronic length on the efficiency of reinitiation by eucaryotic ribosomes.
Kozak M
Department of Biological Sciences, University of Pittsburgh, Pennsylvania 15260.
Molecular and cellular biology (UNITED STATES) Oct 1987, 7 (10) p3438-45, ISSN 0270-7306 Journal Code: 8109087
Contract/Grant No.: GM 33915; GM; NIGMS
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
Simian virus 40-based plasmids that direct the synthesis of preproinsulin

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during short-term transfection of COS cells have been used to probe the mechanism of reinitiation by eucaryotic ribosomes. Earlier studies from several laboratories had established that the ability of ribosomes to reinitiate translation at an internal AUG codon depends on having a terminator codon in frame with the preceding AUG triplet and upstream from the intended restart site. In the present studies, the position of the upstream terminator codon relative to the preproinsulin restart site has been systematically varied. The efficiency of reinitiation progressively improved as the intercistronic sequence was lengthened. When the upstream "minicistron" terminated 79 nucleotides before the preproinsulin start site, the synthesis of proinsulin was as efficient as if there were no upstream AUG codons. A mechanism is postulated that might account for this result, which is somewhat surprising inasmuch as bacterial ribosomes reinitiate less efficiently as the intercistronic gap is widened.

Record Date Created: 19880119

Record Date Completed: 19880119